

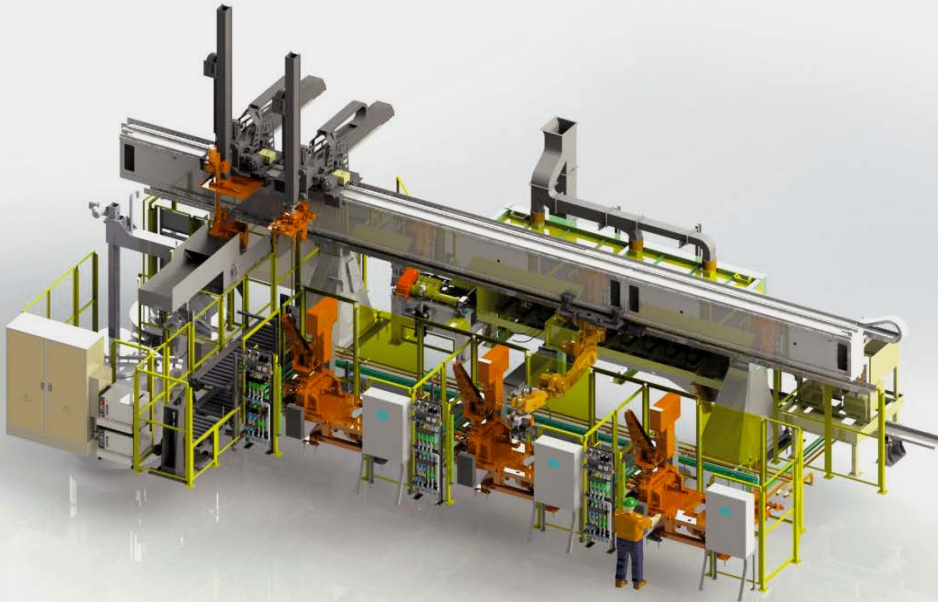


MODULART NEW GENERATION OF CASTING LINES



MODULART

It is the most innovative casting line of the 2000s that we invented to help the operator, increasing productivity together with the intrinsic safety and translation speed of the robots and gantries.



01 Wide modularity and flexibility

The **ModuArt** casting line, starting with the basic version, can be increased with additional modules that enhance functionality, performance and meet customers' need over time.

In this way, the investment of the customer is guaranteed.

Each **ModuArt** line can be tailored to specific production or according to a particular layout.

From the basic version (1 axis) to the top one (2 axes and raised robot).

02 Higher productivity

Ability to work with 3 benches and degating machine simultaneously.

Possibility to change the die while the other benches are working. Automatic pre-finish and casting cooling in still air, forced air or turbo ventilation.

Up to **39 casts** per hour, using the following parameters:

- Solidification 190 sec.
- Casting 20 sec.
- Blowing 20 sec.
- Core setting 25 sec.
- Unloading 20 sec.

03 Low management costs

Only 2 operators can run the line and produce up to 39 casts per hour.

Heavy duty components in order to reduce maintenance costs.

The ability to complete the pre-finish reduces handling costs (forklift trucks, caissons) and layout costs.

In the old design lines, shell change forced shutdown of the line with the loss of approximately 1 hour of production per day and the production loss of 25 casts per day (7,800 casts/year).

04 Total safety

Artimpianti provides systems with the highest levels of safety.

In our lines, the operator can blow the die, coat or perform maintenance on a bench in complete safety even if the line is working.

3 VERSIONS AVAILABLE

EXAMPLE 1: BASIC VERSION

1 pouring gantry – 3 benches – core setting and manual unloading

- Compact layout
- Possibility to change the die while the other 2 benches are working
- European safety standards 100% EC

EXAMPLE 2: MEDIUM VERSION

2 gantries (1 pouring gantry + 1 core setting) – 3 benches and manual unloading

- Compact layout
- Possibility to change the die while the other 2 benches are working
- European safety standards 100% EC

EXAMPLE 3: TOP LEVEL VERSION

2 gantries (1 pouring gantry + 1 core setting) - anthropomorphic robot (unloading/pre-finish) - 3 benches.

Version able to pre-finish the cast and to load it into the cooling conveyor without external sand and runners.

- Up to 39 casts per hour
- Only 2 operators
- Extremely flexible
- Compact layout
- European safety standards 100% EC



STRENGTHS

- modular
- innovative
- good performance
- user-friendly
- safe
- modern
- easy to maintain
- convenient, the operator has easy access and good visibility of all the areas thereby facilitating operations
- flexible, as it is possible to “modulate”, to design and then to assemble according to customer requirements and to the plant facilities
- compact, if required, it is possible to customise the lay-out while maintaining easy access to all the areas

This makes it possible to integrate within the line several machines and thus to perform cooling before processing and cutting of casting channels or sprues or external sand decoring.



www.artimpianti.it

he**ART** inside
we put our heart in everything we do!